

#### ABSTRACT

An optical receptacle comprises a precision sleeve, a stub with an optical fiber fixed to one end of an inner hole of the precision sleeve through an adhesive, and a sleeve holder fixed to an outer periphery of the precision sleeve by press-fitting or through the adhesive. An outer periphery of the stub with an optical fiber and the inner hole of the precision sleeve has a surface roughness  $R_a$  value of  $0.1\text{ }\mu\text{m}$  or more and  $0.5\text{ }\mu\text{m}$  or less.